

English Translation of Annexes to IPRP (substitute page)

rear side relative to the vehicle battery pack and protecting the vehicle battery pack.
The floor panel has a tunnel extending from a vehicle front portion to a vehicle rear
portion of the body, and a rocker provided on a side of the floor panel to extend parallel
to the tunnel. The vehicle battery pack is provided between the tunnel and the rocker.

5 In the mounting structure for a vehicle battery pack formed as described above,
since the protection member is provided on the vehicle rear side relative to the vehicle
battery pack, it can protect the vehicle battery pack against an impact from behind. For
example, the protection member can protect the vehicle battery pack against a kick by a
passenger in a rear seat. Further, when the vehicle battery pack is provided under a
10 seat in the last row, the protection member can prevent the vehicle battery pack from
being hit by luggage and others in a trunk room.

Furthermore, the protection member can be utilized as a member forming a
footstep for a passenger in the rear seat, by devising the shape of the protection member.

15 More preferably, the protection member is fastened to the body. In this case,
fastening the protection member to the body eliminates the need to reinforce the vehicle
battery pack itself. Therefore, weight reduction can be achieved.

More preferably, the seat is a front seat.

20 A mounting structure for a vehicle battery pack in accordance with the present
invention includes a body with a floor panel, a first seat provided on the floor panel, a
second seat provided on a vehicle rear side of the first seat, and a vehicle battery pack
provided under the first seat. The vehicle battery pack includes a battery main body
unit and a device unit, and the device unit is provided on the vehicle rear side relative to
the battery main body unit.

25 In the vehicle battery pack formed as described above, since the device unit is
provided on the vehicle rear side, a footrest for a passenger in the second seat can be
obtained. Further, damage by a kick can be avoided.

Preferably, a distance from a bottom surface of the first seat to a top of the
device unit is greater than a distance from the bottom surface of the first seat to a top of

English Translation of Anexes to IPRP (substitute page)

the battery main body unit. In this case, since the distance from the bottom surface of the first seat to the top of the device unit is greater, a passenger can easily insert his/her feet between the bottom surface of the first seat and the device unit. Also, this

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CLAIMS

1. (Amended) A mounting structure for a vehicle battery pack, comprising:
a body (2) with a floor panel (10),
5 a seat (20) provided on said floor panel (10),
a vehicle battery pack (30) provided under said seat (20), and
a protection member (38) provided on a vehicle rear side relative to said vehicle
battery pack (30) and protecting said vehicle battery pack (30),
wherein said floor panel (10) has a tunnel (11) extending from a vehicle front
10 portion (10c) to a vehicle rear portion (10d) of said body (2), and a rocker (10a)
provided on a side of said floor panel (10) to extend parallel to said tunnel (11), and said
vehicle battery pack (30) is provided between said tunnel (11) and said rocker (10a).

2. The mounting structure for a vehicle battery pack according to claim 1,
15 wherein said protection member (38) is fastened to said body (2).

3. The mounting structure for a vehicle battery pack according to claim 1,
wherein said seat is a front seat.

20 4. A mounting structure for a vehicle battery pack, comprising:
a body (2) with a floor panel (10),
a first seat (20) provided on said floor panel (10),
a second seat (23) provided on a vehicle rear side of said first seat (20), and
a vehicle battery pack (30) provided under said first seat (20),
25 wherein said vehicle battery pack (30) includes a battery main body unit (301)
and a device unit (302), and said device unit (302) is provided on the vehicle rear side
relative to said battery main body unit (301).

English Translation of Anexes to IPRP (substitute page)

5. The mounting structure for a vehicle battery pack according to claim 4, wherein a distance (A1) from a bottom surface (20u) of said first seat to a top (302t) of said device unit is greater than a distance (A2) from the bottom surface (20u) of said first seat to a top (301t) of said battery main body unit.